

## ABSTRACT

A method and system for mapping logical fabric ports to line ingress queues. The system provides for the mapping of line ingress queues to logical destination ports instead of to physical fabric ports. The association of ingress queues with logical destination ports enables a doubling of the switch port capacity that is available when redundancy is employed on all switch ports within the switching fabric. The method and system provides for the distributed broadcasting of mapping table updates. The system employs a multi-shelf switching fabric. Upon the active-standby switchover of a shelf line card, the shelf manager on the impacted shelf, broadcasts by means of a broadcast control cell (BCC), mapping table updates to the TM ASICs associated with each shelf in the shelf cluster. These updates include the current logical to physical port mappings of the logical and the physical ports located on the impacted shelf.